

esp@cenet document view

Page 1 of 1

OPTICAL FIBER AND OPTICAL AMPLIFIER

Publication number: JP2002252397

Publication date: 2002-09-06

Inventor: FUJIMOTO YASUSHI; NAKATSUKA MASAHIRO

Applicant: JAPAN SCIENCE & TECH CORP

Classification:

- International: G02B6/00; C03C13/04; H01S3/08; H01S3/094;
H01S3/10; G02B6/00; C03C13/00; H01S3/08;
H01S3/094; H01S3/10; (IPC1-7): H01S3/08;
C03C13/04; G02B6/00; H01S3/094; H01S3/10

- European: C03C13/04D2

Application number: JP20010047098 20010222

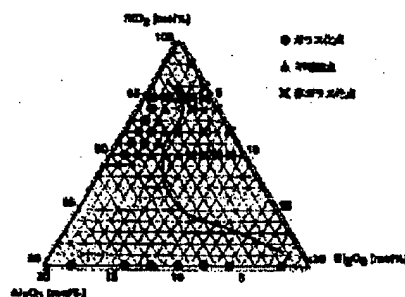
Priority number(s): JP20010047098 20010222

Report a data error here

Abstract of JP2002252397

PROBLEM TO BE SOLVED: To provide a highly efficient optical fiber and optical amplifier which are suitable for the amplification of a 1.3- μ m band.

SOLUTION: In the optical amplifier, the optical fiber which is made of Bi-doped silica glass expressed by $x\text{Bi}_2\text{O}_3 - y\text{Al}_2\text{O}_3 - (1-x-y)\text{SiO}_2$ ($x < y$) and containing Bi_2O_3 in the amount of 0.1-10.0 mol% and Al_2O_3 in the amount of 2-20 mol% and conducts light amplification of the 1.3 μ m band for semiconductor laser excitation of a 0.8 μ m band is used.



Data supplied from the esp@cenet database - Worldwide